

Sheet 1 of 5

FORM PTO 1449 U.S. DEPARTMENT OF COMMERCE
(REV 2-32) PATENT AND TRADEMARK OFFICE

File No. 00-111D1

 Serial No. Not
 Assigned

10/7/9, 205

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant(s):

 Betty A. Haldeman, Edward C. Thayer,
 Paul O. Sheppard

Filing Date:

November 21, 2003

Group: ~~Not~~

Assigned 1646

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|------------|-------------------|-------|----------|-------------------------------|
| EOH | A1 | 6,521,233 | 02/18/2003 | Piddington et al. | | | |
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | DOCUMENT NUMBER | Date | COUNTRY | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|--------------------|------------|---------------------|-------|----------|-------------------------------|
| EOH | A2 | 1067182 | 01/10/2001 | EU | | | |
| | A3 | 99/06551 | 02/11/1999 | WIPO | | | |
| | A4 | 99/59618 | 11/25/1999 | WIPO | | | |
| | A5 | 00/56889 | 09/28/2000 | WIPO | | | |
| | A6 | 00/60080 | 10/12/2000 | WIPO | | | |
| | A7 | 00/63377 | 10/26/2000 | WIPO | | | |
| | A8 | 01/49728 | 07/12/2001 | WIPO (SEQ ID NO:59) | | | |
| | A9 | 01/54472 | 08/02/2001 | WIPO | | | |
| | A10 | 01/55173 | 08/02/2001 | WIPO | | | |
| | A11 | 02/04600 | 01/17/2002 | WIPO | | | |
| | A12 | 02/46417 | 06/13/2002 | WIPO | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

| | | | |
|-----|-----|--|--|
| EOH | A13 | | Maeda et al., <u>The Journal of Biological Chemistry</u> , 276(5):3628-3634 (2001). |
| | A14 | | Fruebis et al., <u>Proc. Natl. Acad. Sci. USA.</u> , 98(4): 2005-2010 (Feb. 13, 2001). |
| | A15 | | Wilson, <u>Washu-Merck EST Project</u> , 1995, Accession#R61191. |
| | A16 | | Wilson, <u>Washu-Merck EST Project</u> , 1995, Accession#R61190. |
| | A17 | | Wilson, <u>Washu-Merck EST Project</u> , 1995, Accession#H144663. |
| | A18 | | Wilson, <u>Washu-Merck EST Project</u> , 1995, Accession#H86570. |
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Examiner

/Eileen O'Hara/

Date considered

09/20/2006

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| FORM PTO 1449 (REV 2-32) | | U.S.DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | File No. 00-111D1 | | Serial No. Not Assigned | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | Applicant(s): Betty A. Haldeman, Edward C. Thayer, Paul O. Sheppard | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.) | | | | | | | |
| EOH | A19 | | Marra, WashU-HHM1 Mouse EST Project, 1996, Accession#AA068843. | | | | |
| | A20 | | Marra, WashU-HHM1 Mouse EST Project, 1996, Accession#W82768. | | | | |
| | A21 | | Marra, WashU-HHM1 Mouse EST Project, 1996, Accession#W64775. | | | | |
| | A22 | | Wilson, WashU-Merck EST Project, 1996, Accession#AA055231. | | | | |
| | A23 | | Wilson, WashU-Merck EST Project, 1996, Accession#AA025306. | | | | |
| | A24 | | Wilson, WashU-Merck EST Project, 1996, Accession#AA024548. | | | | |
| | A25 | | Wilson, WashU-Merck EST Project, 1996, Accession#AA025644. | | | | |
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| Examiner /Eileen O'Hara/ | | | | Date considered 09/20/2006 | | | |
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|-----|-----|--|--|
| EOH | A26 | | Marra, <u>WashU-HAM1 Mouse EST Project</u> , 1997, Accession#AA637749. |
| | A27 | | Strausberg, <u>NCI Cancer Genome Anatomy Project</u> , 1997, Accession#AA527298. |
| | A28 | | Wilson, <u>WashU-NCI Human EST Project</u> , 1997, Accession#AA663060. |
| | A29 | | Wilson, <u>WashU-NCI Human EST Project</u> , 1997, Accession#AA621679. |
| | A30 | | Wilson, <u>WashU-NCI Human EST Project</u> , 1997, Accession#AA224157. |
| | A31 | | Kerlavage, <u>TIGR EST</u> , 1997, Accession#AA332783. |
| | A32 | | Kerlavage, <u>TIGR EST</u> , 1997, Accession#AA334609. |
| | A33 | | Kerlavage, <u>TIGR EST</u> , 1997, Accession#AA322403. |
| | A34 | | <u>TIGR Tentative Human Consensus Sequence</u> , 1997, Accession#THC_H14463. |
| | A35 | | <u>TIGR Tentative Human Consensus Sequence</u> , 1997, Accession#THC_THC135435. |
| | A36 | | <u>TIGR Tentative Human Consensus Sequence</u> , 1997, Accession#THC_R61190. |
| | A37 | | <u>TIGR Tentative Human Consensus Sequence</u> , 1997, Accession#THC_AA024548. |
| | A38 | | <u>TIGR Tentative Human Consensus Sequence</u> , 1997, Accession#THC_THC160583. |

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

| | | |
|-----|-----|---|
| EOH | A39 | TIGR Tenative Human Consensus Sequence, 1997, Accession#THC_THC167672. |
| | A40 | Marra, WashU-HHM1 Mouse EST Project, 1998, Accession#AA821459. |
| | A41 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI265978. |
| | A42 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI265976. |
| | A43 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI265984. |
| | A44 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI265980. |
| | A45 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI299699. |
| | A46 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI193311. |
| | A47 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI128115. |
| | A48 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI123712. |
| | A49 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI024632. |
| | A50 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI078403. |
| V | A51 | Strausberg, NCI, Cancer Genome Anatomy Project, 1998, Accession#AI023643. |

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